

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08J 7/18, G01N 33/543 // C07K 17/06, C12N 11/06	A1	(11) International Publication Number: WO 96/31557 (43) International Publication Date: 10 October 1996 (10.10.96)
(21) International Application Number: PCT/DK96/00167 (22) International Filing Date: 3 April 1996 (03.04.96) (30) Priority Data: 0425/95 7 April 1995 (07.04.95) DK (71)(72) Applicants and Inventors: JACOBSEN, Mogens, Havsteen [DK/DK]; Ålekistevej 225, 1, DK-2770 Vanløse (DK). KOCH, Troels [DK/DK]; Funkiavej 47, DK-2300 Copenhagen S (DK). (74) Agent: HOFMAN-BANG & BOUTARD, LEHMANN & REE A/S; Adelgade 15, DK-1304 Copenhagen K (DK).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: METHOD OF PHOTOCHEMICAL IMMOBILIZATION OF LIGANDS USING QUINONES (57) Abstract A method of immobilizing a ligand (L) to the surface (P) of a carbon-containing substrate material; said method comprising: a photochemical step of linking of one or more photochemically reactive compounds (Q) to a carbon-containing material surface (P); wherein the photochemically reactive compound (Q) is a quinone compound containing a cyclic hydrocarbon, or from 2 to 10 fused cyclic hydrocarbons, with at least two conjugated carbonyl groups; and wherein the photochemical step comprises irradiation of the photochemically reactive compound (Q) with non-ionizing electromagnetic radiation having a wavelength in the range from UV to visible light. <div style="text-align: center;">5196478 5292873 5427779 WO 9102768 EP 319957</div>		